

Sheet 1 of 10 Serial No. 09/003,869 tty. Docket #: 030639.0043.CPA1 Investigation Beeley et al.

Atty: Lisa M. McGeehan Atty. Telephone No.: 858.720.2500

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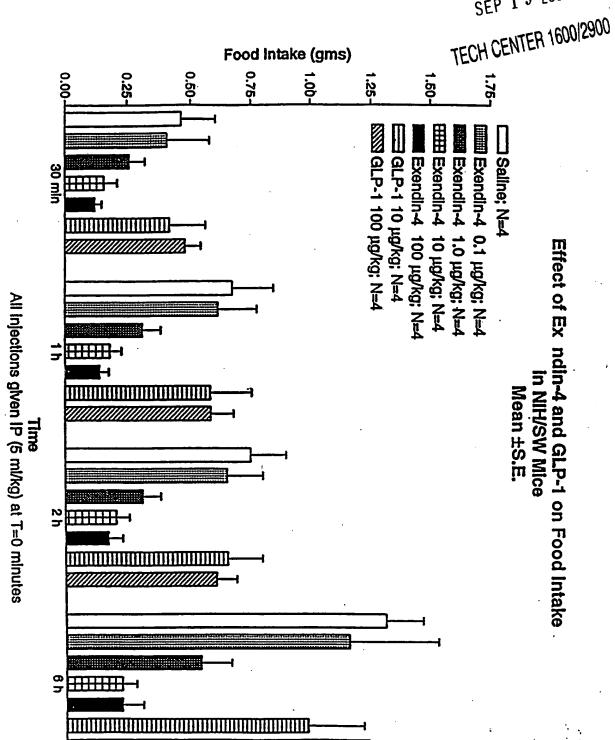


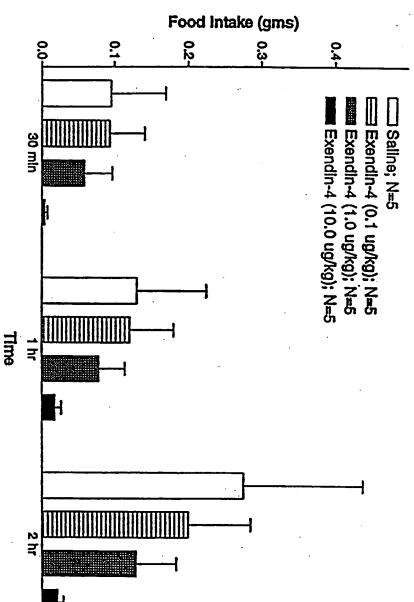
FIGURE 1



Sheet 2 of 10 Serial No. 09/003,869 Atty. Docket #: 030639.0043.CPA1 Inventor: Beeley et al. Atty: Lisa M. McGeehan

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Effect of Exendin-4 on Food Intake in Female ob/ob Mice Mean ± S.E.

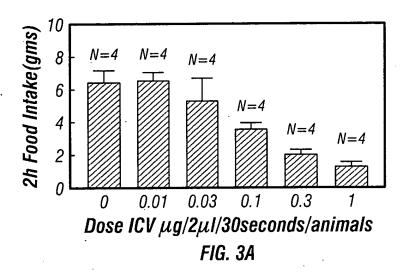


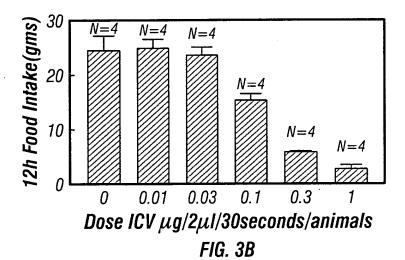
All injections given IP (5 ml/kg) at T=0 minutes

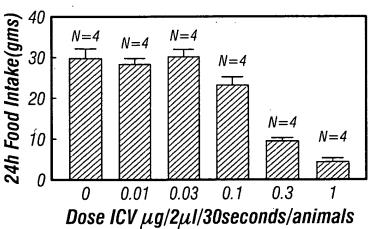


Sheet 3 of 10 Serial No. 09/003,869 http://doi.org/10.0043.CPA1 Inventor: Beeley et al.

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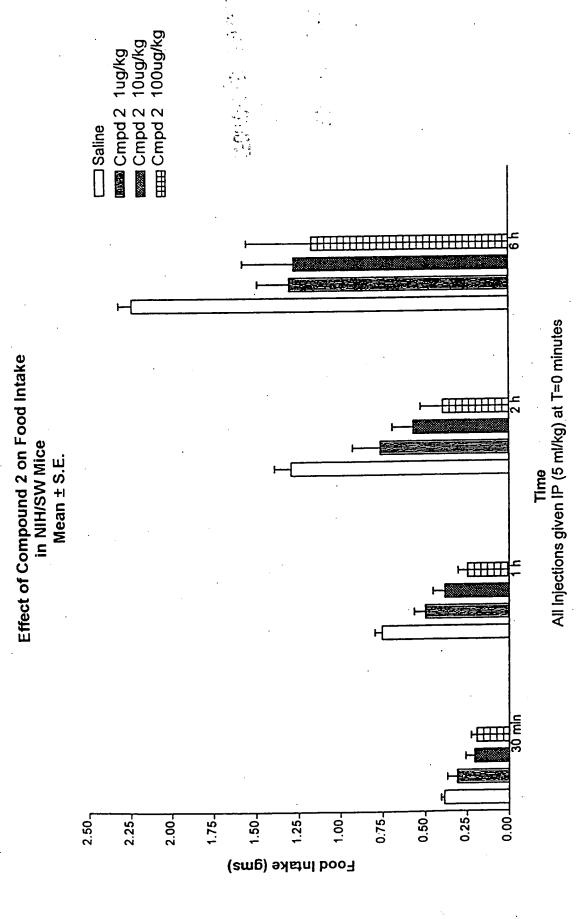




Dose ICV μ g/2 μ I/30seconds/animals FIG. 3C

FIGURE 4





IGURE 5

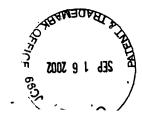


FIGURE 6



100ug/kg Cmpd 4 Cmpd 4 Cmpd 4 Cmpd 4 Cmpd 4 Cmpd 7 Cm Saline Saline Time All injections given IP (5 ml/kg) at T≂0 minutes Effect of Compound 4 on Food Intake in NIH/SW Mice Mean ± S.E. 3.07 2.5 0.5 2.0-1.0 1.5 Food Intake (gms)

FIGURE 7



Cmpd 5 . Cmpd 5 . Cmpd 5 . Cmpd 5 . □ Saline Time All injections given IP (5 ml/kg) at T=0 minutes Effect of Compound 5 on Food Intake in NIH/SW Mice Mean ± S.E. 0.25 0.0 0.75 0.50-1.00-1.50 1.25 Food Intake (gms)

FIGURE 8

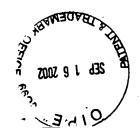


rms Cmpd 6 1ug/kg cm Cmpd 6 10ug/kg rms Cmpd 6 100ug/kg Saline Effect of Compound 6 on Food Intake in NIH/SW Mice Mean ± S.E. 3.07 2.0-0.5 2.5 1.5 1.0-Food Intake (gms)

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All injections given IP (5 ml/kg) at T=0 minutes





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2	NH2	NH,	NH2	NH2	NH2	NH2	NH2	NH,	NH2	NH_2	NH_2	NH2	NH ₂	NH_2	NH2	NH_2	NH2	NH_2	NH2	NH2	NH ₂	NH2	NH2	NH2	NH2	NH,	NH2	NH2	NH2	NH,	NH,
Xaa ₁₈	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser						
Xaaı7	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	tPro	tPro	hPro	hPro	tPro	hPro	MeAla	MeAla	MeAla						
Xaa ₁₆	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	tPro	tPro	hPro	hPro	tPro	hPro	MeAla	MeAla	MeAla						
Xaa ₁₅	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	tPro	tPro	hPro	hPro	hPro	MeAla	MeAla	MeAla						
Xaa ₁₄	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	tPro	Pro	hPro	Pro	hPro	MeAla	Pro	MeAla						
Xaa ₁₃	Phe	Tı	Phe	Trp	Trp	Trp	Trp	Ттр	Тгр	Ттр	Trp	Trp	Phe	Ттр	Phe	Ттр	Тгр	Phe	Trp	Phe	Trp	Phe	Ттр	Ттр	Trp	Trp	Phe	Phe	Trp	Ттр	Phe
Xaa ₁₂	Glu	Glu	Glu	Glu	Glu	Glu	Olu	Glu	Glu	Glu	Glu	Glu	Gľu	ηIS	Glu	Glu	Glu	Glu	Olu	Glu	Asp	Glū	Glu	Glu	Glu						
Хаап	Ile	Ile	lle	Ile	Ile	Ile	Ile	Ile	əll	Ile	Val	Val	tBuG	tBuG	Ile	lle	Ile	Ile	Ile	Ile	lle	Ile	Ile	Ile	Ile						
Xaa ₁₀	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	naph	bhe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe						
Хаа,	Leu	Leu	Met	Met	Met	Met	Met	Met	Met	Met	Met	Met	Leu	pGly	pGly	Met	Met	Leu	Met	Leu	Met	Met	Met	Met	Met	Met	Leu	Leu	Met	Met	Leu
Xaa ₈	Leu	Leu	Leu	Leu	Leu	pGly	pGly	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	ren	Leu	nəŢ	Leu	Leu	Leu	Leu	Leu	Leu	Leu						
Хаа,	Asp	Asp	Asp	Asp	Clu	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp	Asp						
Xaa ₆	Ser	Ser	Thr	Thr	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser						
Xaas	Thr	Ser	Ser	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr	Thr						
Xaa4	Phe	Phe	Phe	Phe	Phe	Phe	naph	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe
Xaa,	Glu	Glu	Glu	Glu	Glu	Asp	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	пЫ	gļņ	Glu	ਜੂ	Glu	nl5	Olu	nl5	gļņ	Glu	- B
Xaa ₂	Glý	Gly	Gly	Glý	Gly	Gly	Gly	Gly	Gly	δļ	Gly	Ğİ	Š	Gly	Gly	Gly	Gly	Ğİ	Gly	Gly	Ġ	Glý	Gly	Gly	Gly	Gly	Gly	Gly	G	Gly	Glý
Xaaı	His	His	His	TyT	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His	His
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